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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/505,627	02/16/2000	Nobuhiro Ito	35.C14241	5922	
•	590 11/18/2004		EXAMINER		
FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA			TALBOT, BRIAN K		
NEW YORK,			ART UNIT	PAPER NUMBER	
		•	1762		
			DATE MAILED: 11/18/2004	DATE MAILED: 11/18/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
Office Action Summary		09/505,627	ITO, NOBUHIRO	
		Examiner	Art Unit	
		Brian K Talbot	1762	
Period fe	The MAILING DATE of this communication apport	pears on the cover sheet	with the correspondence addre	SS
- Exte after - If the - If NO - Failt Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a repl period for reply is specified above, the maximum statutory period of the toreply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may y within the statutory minimum of t will apply and will expire SIX (6) M	a reply be timely filed thirty (30) days will be considered timely. ONTHS from the mailing date of this comm	unication.
Status				
1) 🖂	Responsive to communication(s) filed on <u>17 S</u>	eptember 2004.		
2a)□	This action is FINAL . 2b)⊠ This	action is non-final.		
3)	Since this application is in condition for allowar	nce except for formal ma	atters, prosecution as to the me	erits is
	closed in accordance with the practice under E	x parte Quayle, 1935 C	.D. 11, 453 O.G. 213.	
Dispositi	on of Claims			
5)□ 6)⊠ 7)□	Claim(s) <u>1-5,8-14,16-31,34-38,40 and 42-50</u> is. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) <u>1-5,8-14,16-31,34-38,40 and 42-50</u> is/Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration. /are rejected.	ication.	
Application	on Papers		•	
10) 🗌 🧵	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the d Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Example.	epted or b) objected to lrawing(s) be held in abeya on is required if the drawin	ance. See 37 CFR 1.85(a).	121(d). 52.
	nder 35 U.S.C. § 119			
12)	Acknowledgment is made of a claim for foreign part of the priority documents of the priority documents of the priority documents of the priority documents of the copies of the priority documents of the copies of the priority documents of the priority documents of the priority documents of the priority documents of the certified copies of the priority application from the International Bureause the attached detailed Office action for a list of the priority documents.	have been received. have been received in A by documents have beer (PCT Rule 17.2(a)).	Application No n received in this National Stag	e
Attachment(:	5)			
1) Notice 2) Notice 3) Informa	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	Paper No(Summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 	

U.S. Patent and Trademark Offic PTOL-326 (Rev. 1-04) Application/Control Number: 09/505,627

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Continued Examination Under 37 CFR 1.114

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/17/04 has been entered.
- 2. The non-entered amendment filed 8/20/04 has been considered and entered per filing of the RCE. Claims 6,7,15,32,33,39,41 and 51-56 have been canceled. Claims 1-5,8-14,16-31,34-38,40 and 42-50 remain in the application.
- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

4. Claims 1-5,8-14,16-31,34-38,40 and 42-50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dean et al. (5,726,529), Spindt et al. (5,614,781) or Nonomura et al. (5,083,058) further in view of Shibata et al. (6,153,973).

Dean et al. (5,726,529) (abstract, Figs. 1-10, col. 1, line 65 – col. 2, line 12 col. 4, lines 50-60 and col. 6, lines 35-45), Spindt et al. (5,614,781) (abstract, Fig. 2A,6,9B,12A-12D, col. 2,

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line 28 – col. 4, line 10) or Nonomura et al. (5,083,058) (abstract, Fig. 5, col. 3, line 50 – col. 4, line 15) all teach coating the spacer walls with a conductive material including electrodes by a variety of coating processes including, spraying, dipping, evaporation, sputtering, CVD, printing, etc.

While the Examiner acknowledges the fact that the references are silent upon the coating material being liquid and the coating being emitted, it is the Examiner's position that these coating techniques disclosed above incorporate a "liquid" coating material and a source of the coating material, i.e. emitter. Hence, the claimed limitations are taught or at least suggestive by the prior art.

Dean et al. (5,726,529), Spindt et al. (5,614,781) or Nonomura et al. (5,083,058) fail to teach coating the spacer by an ink-jet method.

Shibata et al. (6,153,973) teaches a spacer and image forming apparatus and method of manufacturing whereby the spacer is coated by an ink-jet method (col. 10, lines 8-11, col. 22, lines 12-23, col. 39, lines 60-67, col. 41 line 40 and col. 42, line 40) See also Figs. 3,4,5A,5B,6A,7A-7C and Fig11).

Therefore it would have been obvious at the time the invention was made to have modified Dean et al. (5,726,529), Spindt et al. (5,614,781) or Nonomura et al. (5,083,058) spacer coating process by incorporating an ink-jet method for coating as evidenced by Shibata et al. (6,153,973) with the expectation of achieving similar success.

Response to Amendment

5. Applicant's arguments with respect to claims 1-14,16-38,40 and 42-50 have been considered but are most in view of the new ground(s) of rejection.

Applicant argued that the prior art fail to teach coating the spacer by an ink-jet method. Shibata et al. (6,153,973) teaches a spacer and image forming apparatus and method of manufacturing whereby the spacer is coated by an ink-jet method

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian K Talbot whose telephone number is (571) 272-1428. The examiner can normally be reached on Monday-Friday 6AM-3PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive P Beck can be reached on (571) 272-1415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brian K Talbot
Primary Examiner

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BKT